

Updated

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|---------|--|---|------------------|---------|---------------------|
| L1 | 463 | 516/53.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/01 14:39 |
| L2 | 195 | 516/924.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/01 14:39 |
| L3 | 44 | 516/925.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/01 14:39 |
| L4 | 654 | L1 L2 L3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/01 14:39 |
| L5 | 5095155 | fluid or liquid | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/01 14:39 |
| L6 | 5301999 | jet or stream or flow | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/01 14:39 |
| L7 | 3486310 | imping\$3 or countercurrent or (counter adj current) or mix\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/01 14:39 |
| L8 | 1882110 | dispers\$3 or emulsi\$4 or sol | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/01 14:39 |
| L9 | 3959369 | opposite | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/01 14:39 |

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|-----|----------|---|---|----|-----|---------------------|
| L10 | 943071 | impact\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/01 14:39 |
| L11 | 9 | L5 and L6 and L7 and L8 and L9 and L10 | EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/01 14:39 |
| L12 | 10314819 | chamber or vessel or area or section | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/01 14:39 |
| L13 | 5 | L11 and L12 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/01 14:39 |
| L14 | 65150 | venturi | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/01 14:40 |
| L15 | 164 | (method with L8) and (L6 with (L7 or L9)) and (L5 with L8) and (L8 with (particle or particulat\$3)) and L10 and L14 | US-PGPUB; USPAT | OR | ON | 2008/05/01 14:40 |
| S1 | 1 | ("20040266890").PN. | US-PGPUB | OR | OFF | 2005/07/21 09:24 |
| S2 | 16 | ("20020176935" "20030031719" "20030044433" "4908154" "5314506" "5720551" "5780062" "5858410" "6221332"). PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/21 09:24 |
| S3 | 11 | ("6607784" "6835396" "6869617" "6884436" "20020143051" "20020168402" "20020143050" "20030003155" "20030044433" "20030096013" "20040022862").pn. | US-PGPUB; USPAT | OR | ON | 2005/07/21 10:05 |
| S4 | 415 | 516/53.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/21 10:30 |

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|----|-----|---|--|----|----|---------------------|
| S5 | 191 | 516/924.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/21 10:31 |
| S6 | 41 | 516/925.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/21 10:37 |
| S7 | 50 | ("4997454" "6096769" "6184408" "4348385" "4540557" "4572733" "4606940" "4981819" "5254634" "5302312" "5597790" "6287743" "6294538" "6333147" "6342343" "6384125" "6432627" "6440548" "6451260" "6455679" "6468730" "6475713" "6607784" "6835396" "6869617" "6884436" "4833060" "4996265" "5580692" "5629367" "4370450" "4420442" "4421562" "4438263" "4784788" "4873091" "5008179" "5256527" "5602241" "5683723" "5744556" "5766635" "5770352" "5859121" "6063138" "6113930" "3891570" "4012314" "4110529" "4255545").pn. | USPAT; USOCR | OR | ON | 2005/07/21 10:37 |
| S8 | 20 | (US-20030044433-\$ or US- 20030031719-\$ or US- 20020176935-\$ or US- 20040022862-\$ or US- 20030096013-\$ or US- 20030003155-\$ or US- 20020168402-\$ or US- 20020143051-\$ or US- 20020143050-\$).did. or (US-6221332-\$ or US- 5858410-\$ or US-5780062- \$ or US-5720551-\$ or US- 5314506-\$ or US-4908154- \$ or US-6884436-\$ or US- 6869617-\$ or US-6835396- \$ or US-6607784-\$).did. or (US-20020127278-\$).did. | US-PGPUB; USPAT; DERWENT | OR | ON | 2005/07/21 10:38 |

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|-----|---------|---|--|----|-----|---------------------|
| S9 | 46 | S7 not S8 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/21 10:38 |
| S10 | 4262999 | fluid or liquid | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/21 13:21 |
| S11 | 4345841 | jet or stream or flow | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/21 13:22 |
| S12 | 2927905 | impinging\$3 or countercurrent or (counter adj current) or mix\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/21 13:23 |
| S13 | 1566684 | disperses\$3 or emulsi\$4 or sol | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/21 13:24 |
| S14 | 2121 | S10 WITH S11 with S12 with S13 | US-PGPUB; USPAT | OR | ON | 2006/06/28 08:30 |
| S15 | 58071 | venturi | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/21 13:26 |
| S16 | 260 | (S10 WITH S11 with S12 with S13) and S15 | US-PGPUB; USPAT | OR | ON | 2005/07/21 13:48 |
| S17 | 59 | (S10 WITH S11 with S12 with S13) same S15 | US-PGPUB; USPAT | OR | ON | 2005/07/21 13:57 |
| S18 | 43 | (S10 WITH S11 with S12 with S13) with S15 | US-PGPUB; USPAT | OR | ON | 2005/07/21 13:49 |
| S19 | 1180 | (S10 and S11 and S12 and S13) and S15 | USOCR | OR | ON | 2005/07/21 13:58 |
| S20 | 77 | (S10 and S11 and S12 and S13) and S15 | EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/21 13:58 |
| S21 | 31 | (S10 near10 S11 near10 S12 near10 S13) and S15 | USOCR | OR | ON | 2005/07/21 13:59 |
| S22 | 3 | ((("20030044433") or ("20030031719") or ("20020176935")).PN. | US-PGPUB | OR | OFF | 2005/07/27 13:14 |

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|-----|---------|--|--|----|----|---------------------|
| S23 | 7 | ("20020012675" "20020012704" "20020041896" "20020054912" "5833891" "6086376" "6221398").PN. | US-PGPUB; USPAT | OR | ON | 2006/02/15 13:58 |
| S24 | 431 | 516/53.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/28 08:20 |
| S25 | 192 | 516/924.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/28 08:28 |
| S26 | 43 | 516/925.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/28 08:29 |
| S27 | 4516781 | fluid or liquid | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/28 08:30 |
| S28 | 4648692 | jet or stream or flow | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/28 08:30 |
| S29 | 3078184 | imping\$3 or countercurrent or (counter adj current) or mix\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/28 08:30 |
| S30 | 1658617 | dispers\$3 or emulsi\$4 or sol | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/28 08:30 |
| S31 | 5041 | S27 and S28 and S29 and S30 | EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/28 08:32 |
| S32 | 3663320 | opposite | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/28 08:32 |
| S33 | 793975 | impact\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/28 08:32 |

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|-----|-------|---|--|----|----|------------------|
| S34 | 7 | S27 and S28 and S29 and S30 and S32 and S33 | EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/28 08:34 |
| S35 | 870 | S27 and S28 and S29 and S30 and S32 and S33 | USOCR | OR | ON | 2006/06/28 08:34 |
| S36 | 60404 | venturi | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/28 08:34 |
| S37 | 70 | S27 and S28 and S29 and S30 and S32 and S33 and S36 | USOCR | OR | ON | 2006/06/28 08:40 |
| S38 | 633 | S27 and S28 and S29 and S30 and S32 and S33 and S36 | US-PGPUB; USPAT | OR | ON | 2006/06/28 08:43 |
| S39 | 184 | (method with S30) and (S28 with (S29 or S32)) and (S27 with S30) and S33 and S36 | US-PGPUB; USPAT | OR | ON | 2006/06/28 08:46 |
| S40 | 141 | (method with S30) and (S28 with (S29 or S32)) and (S27 with S30) and (S30 with (particle or particulat\$3)) and S33 and S36 | US-PGPUB; USPAT | OR | ON | 2006/06/28 08:48 |
| S41 | 2 | (US-6221332-\$ or US-5314506-\$).did. | USPAT | OR | ON | 2006/06/28 09:10 |
| S42 | 1 | S41 and cool\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/28 09:39 |
| S43 | 2 | S41 and surfactant | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/28 09:39 |
| S44 | 2 | S42 S43 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/28 09:39 |
| S45 | 1 | "7112340".PN. | USPAT | OR | ON | 2007/05/08 06:26 |
| S46 | 444 | 516/53.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/08 06:39 |

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|-----|---------|--|--|----|----|---------------------|
| S47 | 193 | 516/924.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/08 06:42 |
| S48 | 43 | 516/925.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/08 06:42 |
| S49 | 4765151 | fluid or liquid | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/08 06:42 |
| S50 | 4943768 | jet or stream or flow | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/08 06:42 |
| S51 | 3227810 | imping\$3 or countercurrent or (counter adj current) or mix\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/08 06:42 |
| S52 | 1747698 | dispers\$3 or emulsi\$4 or sol | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/08 06:42 |
| S53 | 3816625 | opposite | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/08 06:42 |
| S54 | 862134 | impact\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/08 06:42 |
| S55 | 7 | S49 and S50 and S51 and S52 and S53 and S54 | EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/29 07:39 |
| S56 | 62616 | venturi | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/08 06:44 |
| S57 | 70 | S49 and S50 and S51 and S52 and S53 and S54 and S56 | USOCR | OR | ON | 2007/05/08 06:44 |

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|-----|---------|---|--|----|----|---------------------|
| S58 | 152 | (method with S52) and (S50 with (S51 or S53)) and (S49 with S52) and (S52 with (particle or particulat\$3)) and S54 and S56 | US-PGPUB; USPAT | OR | ON | 2007/10/29 07:40 |
| S59 | 451 | 516/53.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/29 07:33 |
| S60 | 194 | 516/924.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/29 07:35 |
| S61 | 43 | 516/925.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/29 07:36 |
| S62 | 4902353 | fluid or liquid | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/29 07:39 |
| S63 | 5111663 | jet or stream or flow | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/29 07:39 |
| S64 | 3308347 | imping\$3 or countercurrent or (counter adj current) or mix\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/29 07:39 |
| S65 | 1796435 | dispers\$3 or emulsi\$4 or sol | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/29 07:39 |
| S66 | 3899552 | opposite | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/29 07:39 |
| S67 | 900421 | impact\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/29 07:39 |
| S68 | 8 | S62 and S63 and S64 and S65 and S66 and S67 | EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/29 07:45 |

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|-----|----------|--|---|----|----|---------------------|
| S69 | 63786 | venturi | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/29 07:40 |
| S70 | 156 | (method with S65) and (S63 with (S64 or S66)) and (S62 with S65) and (S65 with (particle or particulat\$3)) and S67 and S69 | US-PGPUB; USPAT | OR | ON | 2007/10/29 07:40 |
| S71 | 10030549 | chamber or vessel or area or section | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/29 07:43 |
| S72 | 4 | S68 and S71 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/29 07:45 |
| S73 | 156 | S70 and S71 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/29 07:45 |
| S74 | 641 | S59 S60 S61 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/29 08:02 |

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